

City of Milwaukee Health Department | Microbiology Division

## Monthly Report

October 2005 Vol. 10, No. 10

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**MICROBIOLOGY REPORT:** The October 2005 issue of Microbiology Monthly Report, Volume 10, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during September 2005 and new cases of syphilis in Milwaukee during August 2005. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during August is also included.

### Legionnaires Disease (September 2005)

Patient		Test		
Age	Sex	Urine Antigen	Culture	DFA
86 Y	F	+	ND	ND

ND = Not done

### Pertussis (Whooping cough) September 2005

No positive case detected.

### Syphilis (September 2005)

Test	Number Positive	Test	Number Positive
RPR	1	FTA-ABS	12
VDRL	45	DARK FIELD	0

### New Cases of Syphilis

The Wisconsin Division of Health has reported 4 new cases (early stages) of syphilis during August 2005 in Milwaukee. The median age of early syphilis cases is 41.5 years (range:23 - 58 years). Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

### New Cases of Syphilis (August 2005 and August 2004)

Stage	Number of Cases	
	August 2005	August 2004
Primary syphilis	0	0
Secondary syphilis	1	2
Early latent	3	3
Late latent	2	4
Total	6	9

### Gonorrhea (September 2005)

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
66	1(IR)	0	0	0

R) = Resistance

### Gonorrhea from Other Sources (Aurora Consolidated Labs) September 2005

Number Tested	Decreased Susceptibility (DS)/Resistance (R) to Antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
7	1(R)	0	0	1(DS)

R) = Resistance (DS) = Decreased susceptibility

### Isolates Other Than *N. gonorrhoeae* (September 2005)

Organism	Site	Number Isolates	Organism	Site	Number Isolates
<i>Ureaplasma urealyticum</i>	Genital	30	<i>Mycoplasma hominis</i>	Genital	6

### Parasitic Enteric Pathogens (September 2005)

Age	Sex	Pathogen	Number Cases
19	M	<i>Hymenolepis nana</i>	1
19	M	<i>Giardia lamblia</i>	1
7	M	<i>Giardia lamblia</i>	1
3	M	<i>Giardia lamblia</i>	1
5	M	<i>Giardia lamblia</i>	1
11	M	<i>Hymenolepis nana</i>	1

### Mycobacterial infections (September 2005)

Age	Sex	Test Results			Identification
		Sputum Smear	Culture	DNA Probe	
47	M	-	+	N.D.	<i>M. xenopi</i>
21	F	+	+	+	<i>M. tuberculosis</i>

### Bacterial Enteric Pathogens (September 2005)

Age	Sex	Pathogen	Age	Sex	Pathogen
45	M	<i>Shigella sonnei</i>	22	F	<i>Salmonella derby</i>
37	F	<i>Shigella sonnei</i>	19	F	<i>Salmonella muenchen</i>
4	M	<i>Shigella sonnei</i>	5	F	<i>Salmonella muenchen</i>
23mo	F	<i>Shigella sonnei</i>	25	F	<i>Salmonella newport</i>
34	M	<i>Shigella boydii C4</i>	38	F	<i>Salmonella enteritidis</i>
56	M	<i>Shigella flexneri B2</i>	69	F	<i>Salmonella enteritidis</i>
			46	F	<i>Salmonella enteritidis</i>
69	M	<i>Salmonella typhimurium</i>	21	F	<i>Salmonella enteritidis</i>
15	M	<i>Salmonella typhimurium</i>	57	M	<i>Salmonella enteritidis</i>
88	F	<i>Salmonella typhimurium</i>	30	F	<i>Salmonella enteritidis</i>
32	M	<i>Salmonella typhimurium</i>	29	M	<i>Salmonella virchow</i>
48	M	<i>Salmonella typhimurium</i>	25m	M	<i>Salmonella johannesburg</i>
33	M	<i>Salmonella typhimurium</i>	39	M	<i>Salmonella Thompson</i>
79	F	<i>Salmonella typhimurium</i>			

### Reference Cultures (September 2005)

Age	Sex	Site/Specimen Source	Culture Identification
53	F	Stool	<i>Citrobacter braakii</i>
54	M	Blood	<i>Streptococcus mitis sp/gp</i>
41	M	Bronchial wash	<i>Nocardia asteroides</i>
56	M	Blood	<i>Corynebacterium sp</i>
70	F	Blood	<i>Clostridium sp</i>
52	F	Stool	<i>Escherichia coli O157:H7</i>
6	F	Stool	<i>Escherichia coli O157:H7</i>
11	M	Stool	<i>Inactive Escherichia coli</i>
53	M	Blood	<i>Streptococcus mutans sp/gp</i>
56	F	BAL	<i>Corynebacterium pseudodiphtheriticum</i>
79	F	Peritoneal fluid	<i>Enterococcus faecium</i>
3	F	Peritoneal dialysis fluid	<i>Comamonas sp</i>
89	F	Sputum	<i>Corynebacterium pseudodiphtheriticum</i>
11	M	Penile lesion	<i>Haemophilus parainfluenzae</i>
6	F	Stool	<i>Escherichia coli O157:H7</i>
31mo	M	N.A.	<i>Escherichia coli O157:H7</i>
50	F	IUD Swab	<i>Actinomyces israelii</i>
46	F	Urine	<i>Oligella urethralis</i>
54	F	Bronchial wash	<i>Corynebacterium striatum</i>
25	F	Urine	<i>Escherichia coli</i>
10	M	Stool	<i>Escherichia coli O157:H7</i>
63	F	Stool	<i>Escherichia coli O157:H7</i>